

ABSTRACT OF THE DISCLOSURE

Method and system for implementing digital filters in the data path of a Pulse Code Modulated (PCM) modem to allow efficient transition of a second analog to digital conversion process in a communication system including monitoring the upstream data path of the communication system to decode the V.34 portion of the data transmission which occurs during the handshake phase of the modem call, where the information contained in the upstream data channel during the handshake phase allows the communication system to determine the manner in which the PCM modem is training and transmitting data to the client modem.

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